

APR 03 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Lanny D. Schmidt, et al.

Serial No.: 10/011,015

Group Art Unit: 1754

Filed: December 5, 2001

Examiner: Unknown

For: AUTOTHERMAL PROCESS FOR THE PRODUCTION OF OLEFINS

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Assistant Commissioner for Patents  
Washington, D.C. 20231

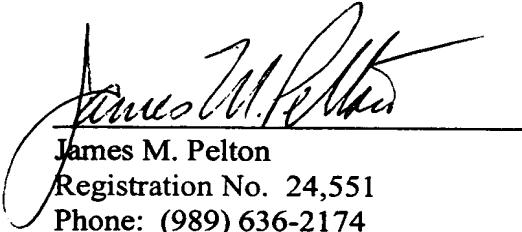
Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to Applicant's duty of disclosure under 37 CFR §1.56, the Examiner's attention is directed to the information identified in the attached Form PTO 1449.

References were included in the parent application under serial no. 09/388,218. The Examiner is requested to review each reference and formulate his own understanding thereof.

Respectfully submitted,

  
James M. Pelton  
Registration No. 24,551  
Phone: (989) 636-2174

P. O. Box 1967  
Midland, MI 48641-1967

JMP/tlg

44149A



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## INFORMATION DISCLOSURE STATEMENT

(Use Several Sheets if necessary)

ATTY DOCKET NO. 44149A

SERIAL NO. 10/011,015

APPLICANT Lanny D. Schmidt, et al.

FILING DATE December 5, 2001

GROUP 1754

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	5,248,251	9/1993	Dalla Betta, et al.			
	5,905,180	5/1999	Yokoyama, et al.			
	5,817,596	10/1998	Akporiaye, et al.			
	5,654,491	8/1997	Goetsch, et al.			
	5,648,582	7/1997	Schmidt, et al.			
	5,639,929	6/1997	Bharadwaj, et al.			
	5,382,741	1/1995	Astbury, et al.			
	5,105,052	4/1992	Font Freide, et al.			
	4,940,826	7/1990	Font Freide, et al.			
	5,633,421	5/1997	Iezzi, et al.			
	5,625,111	4/1997	Astbury, et al.			

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## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
	EP-B1-0,178,853	1990	Europe			
	WO 90/06282	1989	PCT			

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## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

	C. Yokoyama, S. S. Bharadwaj, and L. D. Schmidt, "Platinum-Tin and Platinum-Copper Catalysts for Autothermal Oxidative Dehydrogenation of Ethane to Ethylene", <i>Catalysis Letters</i> , 38 (1996), 181-188.
	M. Huff and L. D. Schmidt, "Production of Olefins by Oxidative Dehydrogenation of Propane and Butane Over Monoliths at Short Contact Times", <i>Journal of Catalysis</i> , 149 (1994), 127-141.
	M. Huff and L. D. Schmidt, "Ethylene Formation by Oxidative Dehydrogenation of Ethane over Monoliths at Very Short Contact Times", <i>Journal of Physical Chemistry</i> , 97 (1993), 11,815-11,822.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to Applicant.

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	5,677,260	10/1997	Dongara, et al.			
	5,658,497	8/1997	Kumar, et al.			
	5,593,935	1/1997	Golunski, et al.			
	5,527,979	6/1996	Agaskar, et al.			
	5,478,528	12/1995	Golunski, et al.			
	5,436,383	7/1995	Le Peltier, et al.			
	5,306,684	4/1994	Itoh, et al.			APR 8 - 2002
	5,258,567	11/1993	Kerby, et al.			TC 1700
	4,902,849	2/1990	McKay, et al.			
	4,897,253	1/1990	Jenkins			
	4,886,928	12/1989	Imai, et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES <input type="checkbox"/> NO <input type="checkbox"/>

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	4,886,926	12/1989	Dessau, et al.			
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	4,788,371	11/1998	Imai, et al.			
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	4,551,574	11/1985	Imai, et al.			
	3,670,044	6/1972	Drehman, et al.			
	3,584,060	6/1971	Rausch			
	3,308,181	3/1967	Pitzer			
	5,073,657	12/1991	Warren			
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	4,295,817	10/1981	Caplin, et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS
		5,723,403	3/1998	Durand, et al.		
		5,511,972	4/1996	Dalla Betta, et al.		
		5,905,180	5/1999	Yokoyama, et al.		
		6,072,097	6/2000	Yokoyama, et al.		
		5,830,346	11/1998	Harandi, et al.	<b>RECEIVED</b> <small>APR 8 - 2002</small> <b>TC 1700</b>	
		6,037,307	3/2000	Campell, et al.		
		6,013,599	1/2000	Manson		
		5,953,911	9/1999	Guth, et al.		
<b>FOREIGN PATENT DOCUMENTS</b>						
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